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(54) Title: MIXTURES OF FUSED PYRIMIDINONES AND DINITROPHENOLIC COMPOUNDS USEFUL FOR CONTROLLING POWDERY MILDEWS

(57) Abstract: This invention discloses fungicidal compositions comprising (1) at least one compound selected from 2-(R²)-3-(R¹)-pyrimidin-4(3H)-ones fused at the 5- and 6-positions to G(R³)(R⁴) (i.e. compounds of Formula (I), including all geometric and stereoisomers, as defined in the disclosure), N-oxides, and suitable salts thereof, wherein G is a fused phenyl, thiophene or pyridine ring; R¹ is C₁-C₆ alkyl or C₄-C₇ cycloalkylalkyl; R² is C₁-C₆ alkyl, C₁-C₆ alkoxy or C₁-C₆ alkylthio; R³ is halogen; and R⁴ is hydrogen or halogen; and (2) at least one dinitrophenolic compound selected from 1,3-dinitro-5-R⁵-benzenes further substituted at either the 2- or 4-position with -OC(=O)J (i.e. compounds of Formula (III) and/or compounds of Formula (II), including all geometric and stereoisomers, as defined in the disclosure), wherein J is C₁-C₆ alkyl, C₁-C₆ alkoxy or C₂-C₆ alkenyl; and R⁵ is C₁-C₈ alkyl. This invention also discloses methods for controlling powdery mildew plant diseases caused by fungal plant pathogens which involve applying to the plant or portion thereof, or to the plant seed or seedling, a fungicidally effective amount of such compositions.

